

Claims:

1. A speaker system characterized by comprising:
a speaker array including a plurality of speakers which
are arranged into a matrix; and
5 sound signal processing means for dividing a sound source
into a plurality of bands and dividing the speaker array into
a plurality of reproduction regions so as to allocate the bands
to the divided reproduction regions, respectively, the band of
a high frequency being allocated to a smallest one of the
10 reproduction regions.
2. The speaker system according to Claim 1, wherein the sound
signal processing means sets regions which reproduce a left
channel and a right channel of a stereo sound source or surround
15 sound source such that a reproduction band increases from a
central portion toward opposite end portions of the speaker
array with the number of speakers allocated decreasing as the
reproduction band increases.
- 20 3. The speaker system according to Claim 2, wherein the sound
signal processing means implements a signal processing in such
a manner that a sound signal of a center channel of the stereo
sound source or surround sound source becomes non-directional.
- 25 4. The speaker system according to Claim 2, wherein the sound

signal processing means sets a region which reproduces the center channel of the stereo sound source or surround sound source such that a reproduction band increases from the opposite end portions to the central portion with the number of speakers
5 allocated decreasing as the reproduction band increases.

5. A speaker system characterized by comprising:
a speaker array including a plurality of speakers which are arranged into a matrix; and
10 unit speaker circuits provided to correspond to the speakers individually and each having a primary filter which filters sound signals of left and right channels of a stereo sound source or surround sound source,
wherein a passable frequency band of the primary filter
15 of each of the unit speaker circuits is set so as to increase from opposite end portions to a central portion of the speaker array.

6. The speaker system according to Claim 5, wherein the band
20 of the primary filter is divided into a high frequency, a medium frequency and a low frequency and the number of the unit speaker circuits having the filter of the high frequency is made smaller than the number of those unit speaker circuits having filters of the other frequencies.

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7. The speaker system according to claim 5, wherein the band of the filter increases from the central portion to the opposite end portions of the speaker array.

5 8. The speaker system according to claim 5, wherein the unit speaker circuit implements a signal processing in such a manner that a sound signal of a center channel of the stereo sound source or surround sound source becomes non-directional.

10 9. The speaker system according to claim 5, wherein the unit speaker circuit has a secondary filter which filters a sound signal of the center channel of the stereo sound source or surround sound source and a passable frequency band of the secondary filter of each of the unit speaker circuits is set
15 so as to increase from the opposite end portions to the central portion.